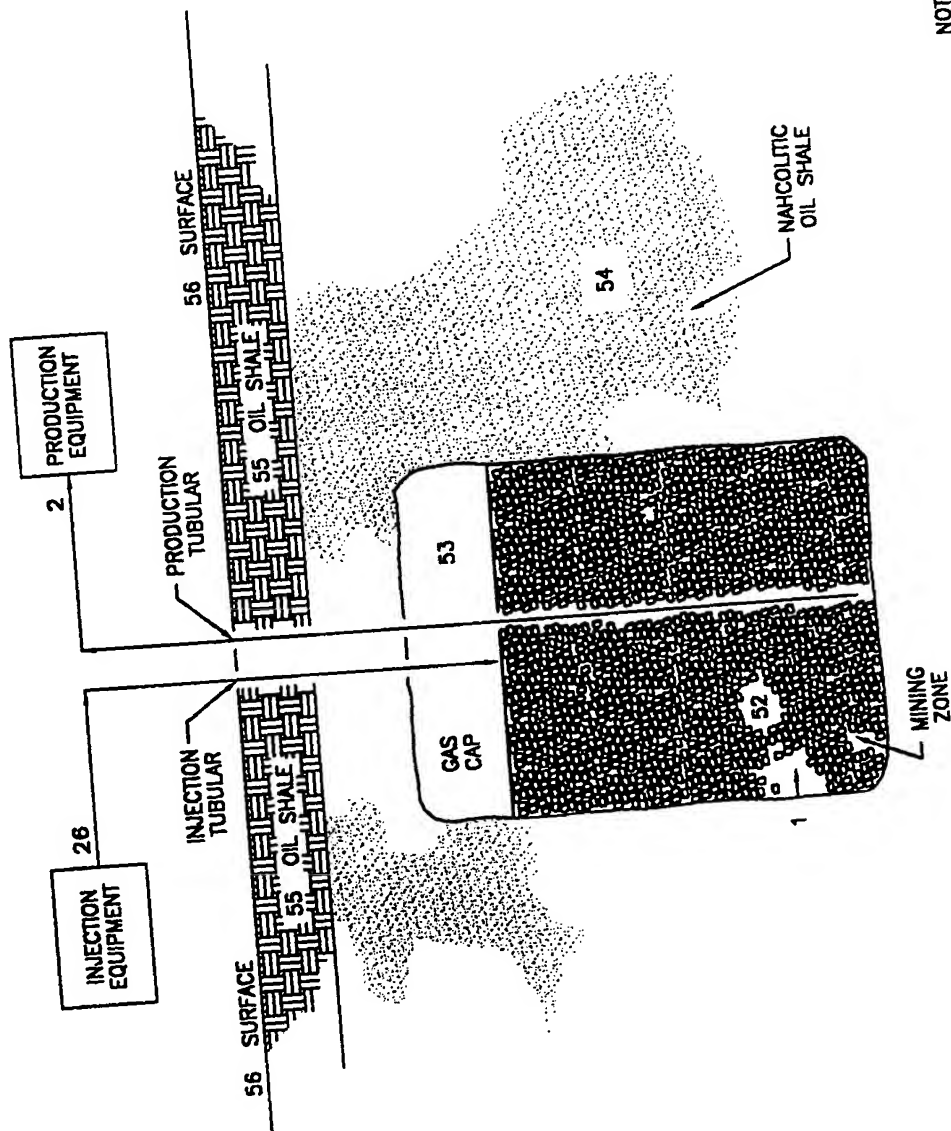


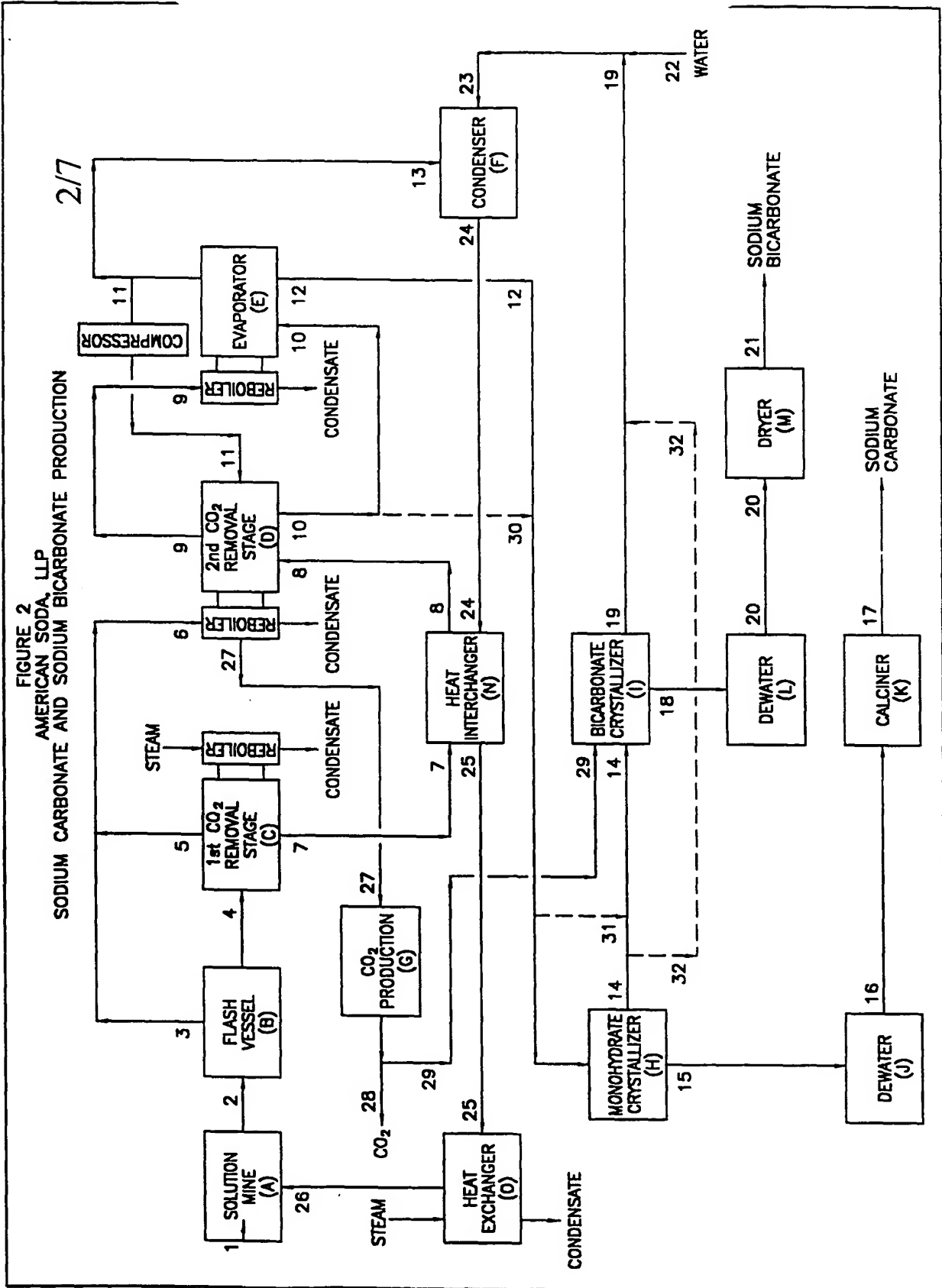
1/7

FIGURE 1  
AMERICAN SODA, LLP  
SOLUTION MINING



NOT TO SCALE

FIGURE 2  
AMERICAN SODA, LLP  
SODIUM CARBONATE AND SODIUM BICARBONATE PRODUCTION



AMERICAN SODA, LLP  
WELL CROSS SECTIONS

3/7

FIGURE 3A  
CROSS SECTION DETAIL A-A'

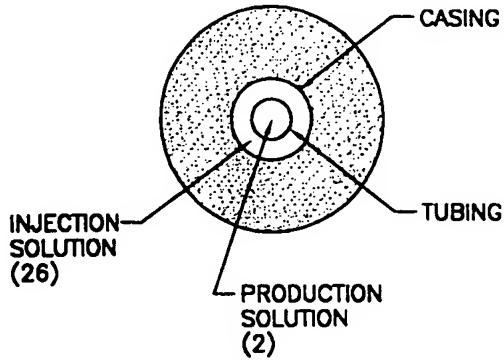


FIGURE 3B  
CROSS SECTION DETAIL A-A'

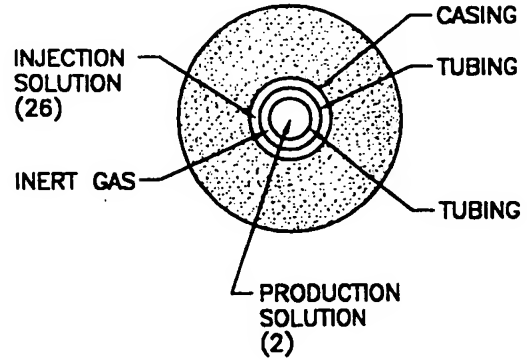


FIGURE 3C  
CROSS SECTION DETAIL A-A'

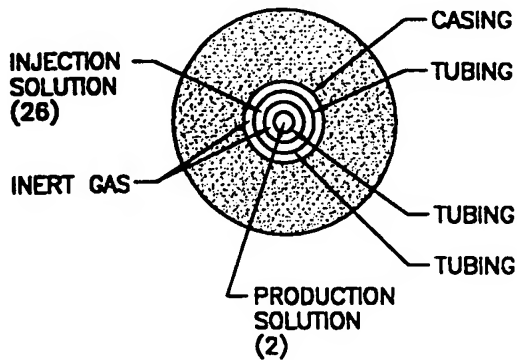
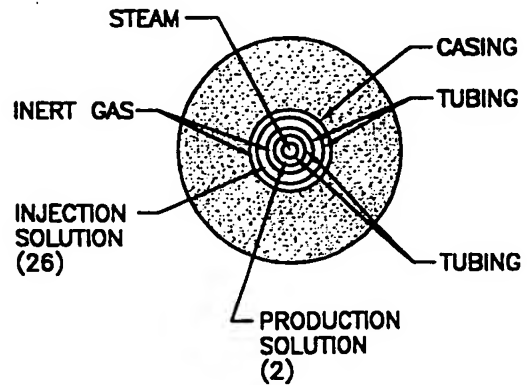


FIGURE 3D  
CROSS SECTION DETAIL A-A'



NOTE: SEE FIGURE 3E FOR VERTICAL VIEW

NOT TO SCALE

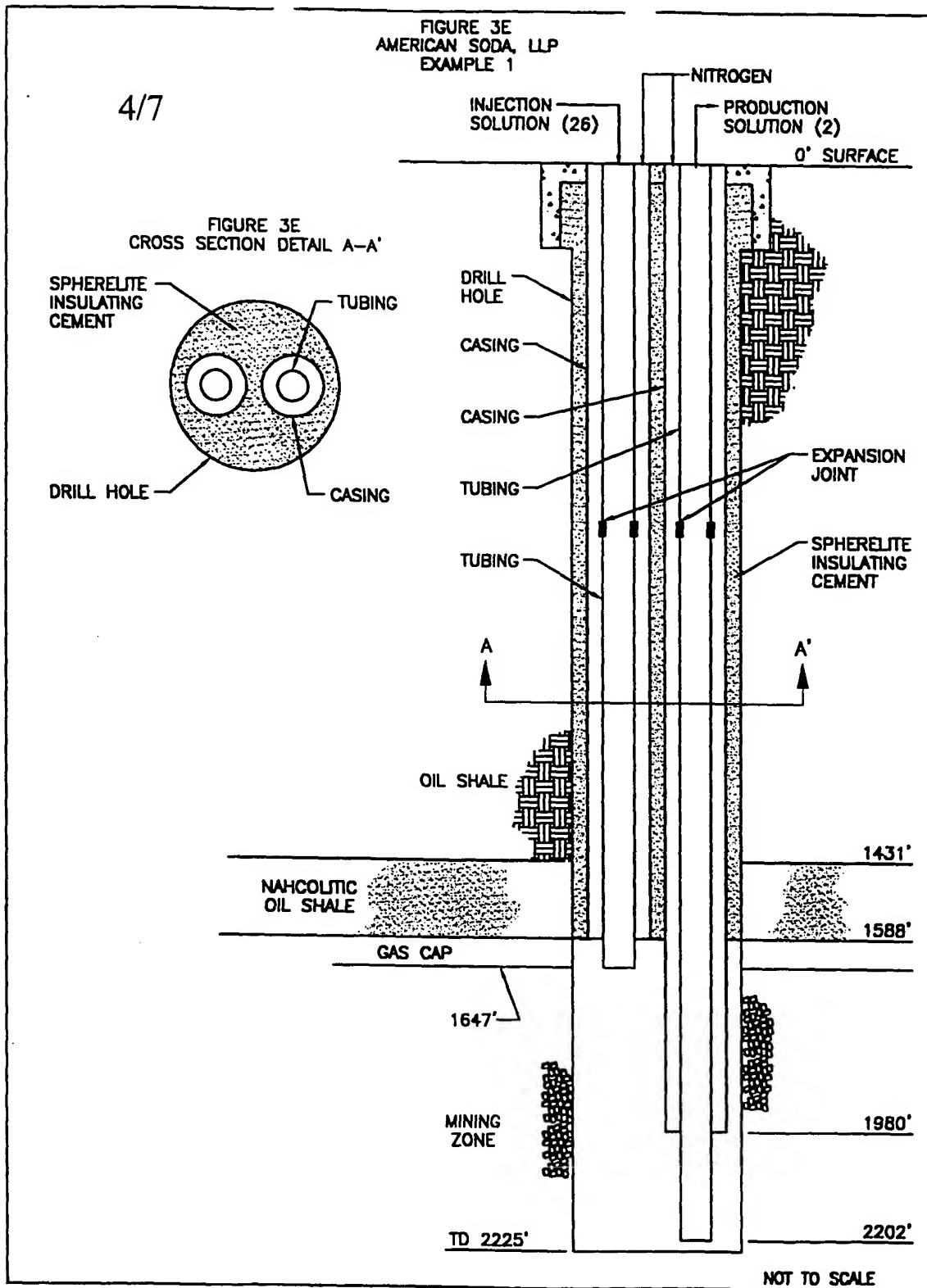


FIGURE 4  
AMERICAN SODA, LLP

5/7

# STRENGTH AND STRESS OF NAHCOLITIC OIL SHALE WITH TEMPERATURE

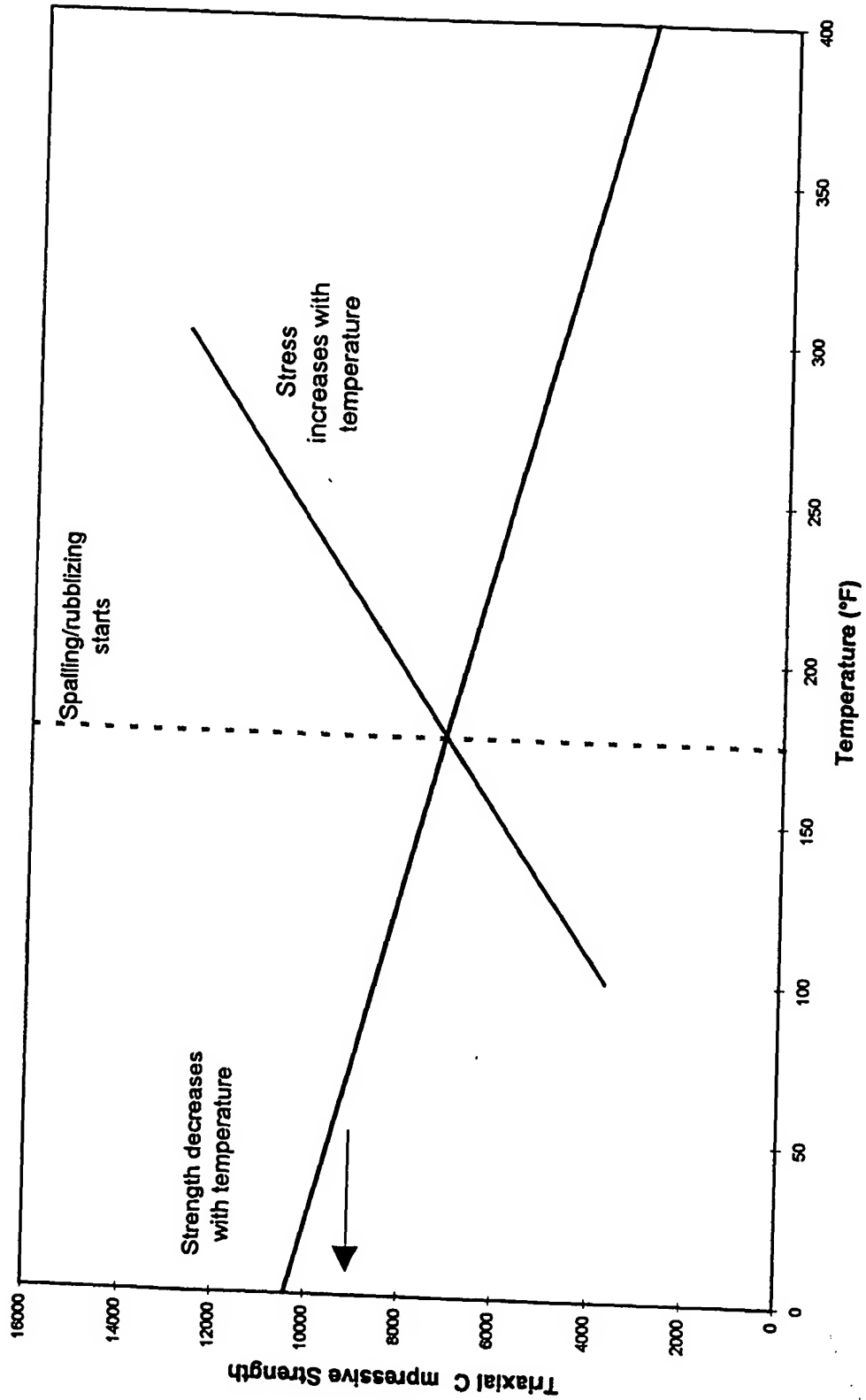


FIGURE 5  
AMERICAN SODA, LLP

6/7

**SOLUBILITY OF SODIUM BICARBONATE  
versus TEMPERATURE**

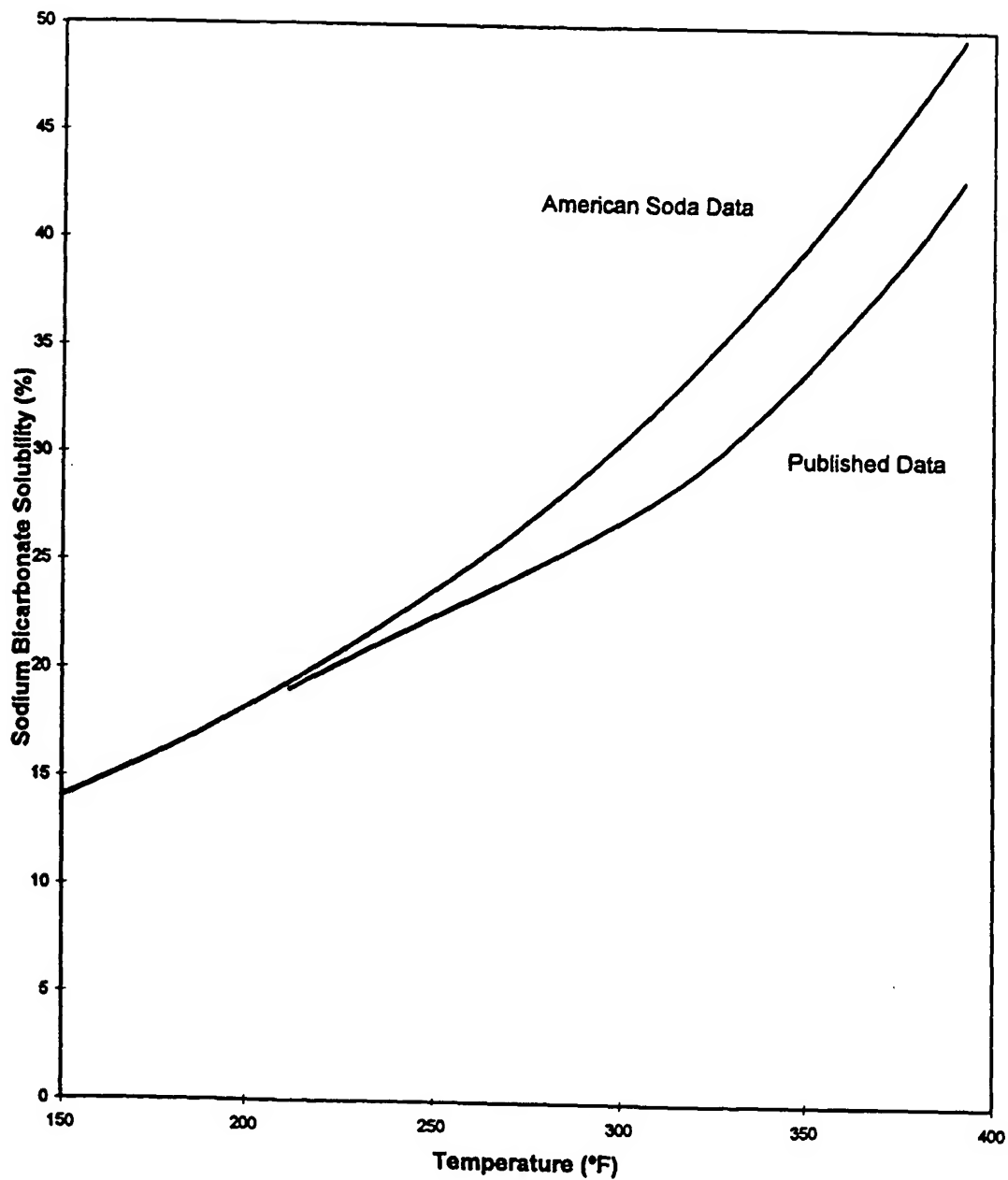


FIGURE 6  
AMERICAN SODA, LLP

7/7

**PRESSURE REQUIRED TO PREVENT DECOMPOSITION OF SATURATED  
SODIUM BICARBONATE SOLUTION**

